Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A method of reporting terminal information, comprising the following steps:

reporting, by a terminal device, terminal information through a software program interface provided by a Device Management (DM) Agent module;

forwarding, by said DM Agent module, said terminal information to a DM Server; and reporting, by said DM Server, said terminal information to a Maintenance Unit (MU).

2. (Original) The method as in claim 1, wherein said software program interface comprises a messaging interface, a file interface, an API, or a Web service interface.

3. (Original) The method as in claim 2, wherein said messaging interface comprises an XML interface or a network protocol interface.

4. (Original) The method as in claim 2, wherein when said software program interface employs the API, the terminal information is combined into an XML format and is transmitted to the API as an argument.

5. (Original) The method as in claim 1, wherein said DM Agent module transmits said terminal information via an extended Open Mobile Alliance DM (OMA DM) protocol.

6. (Original) The method as in claim 5, wherein the transmission of said terminal information by said DM Agent module is implemented:

with a command of the extend OMA DM protocol which supports active event triggered by clients; or

by said DM Agent module is implemented by extending a standard command of the OMA DM protocol into a terminal information reporting command; or

by adding a special terminal information reporting command into the OMA DM protocol; or

with a command of the OMA DM protocol directly.

7. (Currently Amended) The method as in ~~any of~~ claim 1 [[to 6]], wherein said terminal information comprises error information created during the operation of the terminal software, error information created by the terminal hardware, and process information created during the operation of the terminal.

8. (Original) A method for maintaining terminal device, comprising the following steps:

reporting, by a terminal device, terminal information through a software program interface provided by a Device Management (DM) Agent module;

forwarding, by said DM Agent module, said terminal information to a DM Server;

reporting, by said DM Server, said terminal information to a Maintenance Unit (MU);

upon receiving said terminal information, determining, by said MU, the corresponding software update package and sending said software update package to the DM Server;

maintaining, by said DM Server, the terminal device with said software update package following an OMA DM process.

9. (Currently Amended)The method as in claim 8, before the step of reporting by said DM Server said terminal information to a Maintenance Unit (MU), said method further comprising:

upon receiving said terminal information, judging, by said DM Server, whether the terminal device can be maintained automatically;

if the judgment is "Yes", maintaining, by said DM Server, the terminal device directly following the OMA DM process;

otherwise the method proceeds to the step of reporting by said DM Server said terminal information to a Maintenance Unit (MU) and the subsequent steps of the reporting step.

10. (Original) The method as in claim 8, wherein said software program interface comprises a network protocol interface, an XML interface, or an API.

11. (Original) The method as in claim 10, wherein when said software program interface employs the API, terminal device program will combine the terminal information into an XML format and send the combined terminal information to the API as an argument.

12. (Original) The method as in claim 8, wherein said DM Agent module transmits said terminal information via an extended OMA DM protocol.

13. (Original) The method as in claim 12, wherein the transmission of said terminal information by said DM Agent module is implemented:

with commands supporting active event triggered by clients in the extend OMA DM protocol; or

by extending a standard command of OMA DM protocol into a terminal information reporting command; or

by adding a special terminal information reporting command into the OMA DM protocol; or with a command of the OMA DM protocol directly.

14. (Currently Amended) The method as in ~~any of~~ claim 8 [[to 13]], wherein said terminal information comprises error information created during operation of the terminal software, error information created by terminal hardware, and process information created during operation of the terminal.

15. (Original) A Device Management (DM) system, comprising a DM Server adapted to manage a terminal device, a DM Agent module located in the terminal device and interacting with said DM Server; said Device Management system further comprising a Maintenance Unit (MU) coupled to said DM Server and adapted to acquire, store, and maintain the information of the terminal device;

said DM Agent modules and said DM Server have a software program interface respectively;

the software program interface of said DM Agent module is adapted to receive the terminal information reported from the terminal device and forward the terminal information to the DM Server; said DM Server reports said terminal information to said MU.

16. (Original) The DM system as in claim 15, wherein said software program interface comprises a messaging interface, a file interface, an API, or a Web service interface.

17. (New) A system for reporting terminal information applied to a communication network, the system comprising:

a first terminal configured to communicate with a second terminal accessing said communication network;

a management unit arranged in said first terminal, configured to receive the information of said first terminal reported by said first terminal; and

a management server, configured to receive the information sent by said management unit.

18. (New) The system as in claim 17, wherein the information of said first terminal is reported to said management unit via a software program interface; said software program interface comprises a messaging interface, a file interface, an API, or a Web service interface.

19. (New) The system as in claim 18, wherein said messaging interface comprises an XML interface or a network protocol interface.

20. (New) The system as in claim 18, wherein when said software program interface employs said API, the information of the said first terminal is combined into an XML format and is reported to said API as an argument.

21. (New) The system as in claim 17, wherein said management unit sends the information of said first terminal to said management server via an extended Open Mobile Alliance DM (OMA DM) protocol.

22. (New) The system as in claim 21, wherein said management unit sends the information of said first terminal to said management server:

with a command of said extend OMA DM protocol which supports active event triggered by clients; or

by extending a standard command of said OMA DM protocol into a terminal information reporting command; or

by adding a special terminal information reporting command into said OMA DM protocol; or

with a command of said OMA DM protocol directly.

23. (New) A system for maintaining terminal device applied to a communication network, the system comprising:

a first terminal configured to communicate with a second terminal accessing said communication network;

a management unit arranged in said first terminal, configured to receive the error information of said first terminal;

a management server, configured to receive the error information sent by said management unit; and

a maintenance unit, configured to receive the error information of said first terminal sent by said management server and send a corresponding software update package for maintaining said first terminal to said management server.

24. (New) The system as in claim 23, wherein said management server maintains said first terminal with said corresponding software update package following an OMA DM process.

25. (New) The system as in claim 23, wherein upon receiving the error information of said first terminal, said management server judges whether said first terminal can be maintained automatically; if said judgment is "Yes", said management server maintains said first terminal directly following said OMA DM process; otherwise, said management server sends the error information of said first terminal to said maintenance unit.

26. (New) A method of reporting terminal information applied to a communication network, the method comprising:

reporting, by a terminal accessing said communication network, the information of the terminal to a management unit;

upon receiving the information of the terminal, the management unit sending the information to a management server.

27. (New) The method as in claim 26, wherein the information of said terminal is reported to said management unit via a software program interface; said software program interface comprises a messaging interface, a file interface, an API, or a Web service interface.

28. (New) The method as in claim 27, wherein said messaging interface comprises an XML interface or a network protocol interface.

29. (New) The method as in claim 27, wherein when said software program interface employs said API, said terminal information is combined into an XML format and is reported to said API as an argument.

30. (New) The method as in claim 26, wherein said management unit sends the information of said terminal to said management server via an extended Open Mobile Alliance DM (OMA DM) protocol.

31. (New) The method as in claim 30, wherein said management unit sends the information of said terminal to said management server:

with a command of said extend OMA DM protocol which supports active event triggered by clients; or

by extending a standard command of said OMA DM protocol into a terminal information reporting command; or

by adding a special terminal information reporting command into said OMA DM protocol; or

with a command of said OMA DM protocol directly.

32. (New) A method for maintaining terminal device applied to a communication network, the method comprising:

sending, by a terminal accessing said communication network, the information of the terminal to a management unit;

upon receiving the information of the terminal, the management unit sending the information to a management server;

upon receiving the information of the terminal, said management server a corresponding software update package for maintaining said first terminal to said management server.

33. (New) The method as in claim 32, wherein said management server maintains said terminal with said corresponding software update package following an OMA DM process.

34. (New) The method as in claim 32, wherein upon receiving the error information of said first terminal, said management server judges whether said first terminal can be maintained automatically; if said judgment is "Yes", said management server maintains said first terminal directly following said OMA DM process; otherwise, said management server reports the error information of said first terminal to said maintenance unit.